

Date: Tue, 20 Jul 93 17:00:13 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #881
To: Info-Hams

Info-Hams Digest Tue, 20 Jul 93 Volume 93 : Issue 881

Today's Topics:

 "CQ" magazine article sought from 1960.
 2, tr/2watt range...
 Broadcasting...
 CW in weird places
 INFO on ICOM 2SRA
 Info on Icom P2AT
 KC0Q/N0II CMOS SuperKeyer II
 Mod for Yaesu FT-890
 Nomenclature for T0220 Socket
 OMNI-D Series C
 Professional quality earphones - source?
 Radio Shack (2 msgs)
 Super Morse problem in Windows

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 20 Jul 93 19:16:19 GMT
From: ogicse!uwm.edu!rpi!usenet.rpi.edu!johnc@network.ucsd.edu
Subject: "CQ" magazine article sought from 1960.
To: info-hams@ucsd.edu

Hi,

I'm looking for an article from the year 1960. If you have backissues
that go back to this year then please email me, as I need some information
from an article.

Thankyou,

Date: Tue, 20 Jul 93 16:59:37 GMT
From: usc!howland.reston.ans.net!europa.eng.gtefsd.com!eddie.mit.edu!uhog.mit.edu!
xn.ll.mit.edu!ll.mit.edu!wjc@network.ucsd.edu
Subject: 2,tr/2watt range...
To: info-hams@ucsd.edu

In article <CAGynq.r9@egr.uri.edu>, swamik@orca.ele.uri.edu (Swami Kumaresan) writes:

|>
|> 25 miles, not bad for a gnd plane. But I wud not recommend a gnd plane.
|> I had one a while ago, but I trashed it! A J-Pole is A LOT (*LOT*)
|> better!!
|>
|> Russ: What do u mean by optimal conditions.
|> 2 watts will probably allow 2-3 miles Line of sight with a rubber duck.
|> But if u had a 11 element yagi up 100 feet (13 db gain) when the band was open.
|> u cud have a QSO 100+ miles away!!
|>
|> 73s de KB1AMB/AA

2-3 miles line of sight? That would be pretty poor.

Several years ago, I witnessed a 450-MHz FM contact from the roof of a building in Cambridge, MA to Mt. Washington in New Hampshire. The elevation at the Cambridge end was about 325 feet MSL (AGL also); Mt. Washington is 6,288 feet MSL. The direct distance is 132 miles. Given normal refractive conditions and a smooth earth, this is just within unobstructed (i.e. radio line-of-sight) range. New England, however, is definitely not smooth. Refractive conditions were unspectacular. I suspect the path was not unobstructed.

The radio in Cambridge was a Yaesu FT-709 HT with its own quarter-wave whip (or perhaps a short helical). The radio at Mt. Washington was a mobile rig with a car-mounted antenna --- a 5/8 over 1/2 at most.

73

Bill Chiarchiaro N1CPK
wjc@ll.mit.edu

Date: Tue, 20 Jul 1993 19:08:59 GMT
From: olivea!grapevine.lcs.mit.edu!lynx!random.ccs.northeastern.edu!
acm139@ames.arpa
Subject: Broadcasting...
To: info-hams@ucsd.edu

To the person who mentioned broadcasting is illegal:

- 1) W1AW does it;
- 2) There is "Beaconing" which could be considered a broadcast.

=====
| Scott Ehrlich Internet: acm_se@neu.edu |
| Amateur Radio: wylz AX.25: wylz@walphy.ma.usa.na |
=====

Date: Tue, 20 Jul 1993 20:48:10 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
ux1.cso.uiuc.edu!moe.ksu.ksu.edu!osuunx.ucc.okstate.edu!datacomm.ucc.okstate.edu!
martin@network.ucsd.edu
Subject: CW in weird places
To: info-hams@ucsd.edu

When our cable system has a problem like snow on the dish or anything that reduces signal strength to the point where the decoder can no longer receive the signal, the audio appears to switch to whatever is on the main audio subcarrier. When CNN's signal goes kaput, one can hear a tape loop advising you that you should contact a certain address and telephone number to subscribe to the service. As soon as the decoder picks up a good signal again, things return to normal. There is usually a loud burst of white noise when the switch takes place. It is probably the audio encryption algorithm syncing back up.

Martin McCormick WB5AGZ Stillwater, OK
O.S.U. Computer Center Data Communications Group

Date: 20 Jul 93 23:11:49 GMT
From: news-mail-gateway@ucsd.edu
Subject: INFO on ICOM 2SRA
To: info-hams@ucsd.edu

Netlanders,

After completing a search of the internet, I have found no information on the 2SRA. I would appreciate any info/comments or mods you might have regarding the Icom 2SRA. Direct email is preferred.....

Thanks and 73s....

Troy

```
-----  
| Troy T. Pummill, N6XMV          | trop@hls.com          |  
| Manager, Applications Eng.     | ...uunet!lanslide.hls.com!trop |  
| Hughes LAN Systems            |                          |  
| (415) 966-7915                 | 1225 Charleston Rd., Silicon Gulch |  
| Mountain View, CA 94043        | The preceding drive1 is entirely my own! |  
-----
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Invisible airwaves crackle with life, bright antennae bristle with the energy
Emotional feedback on timeless wavelength, bearing a gift beyond price....
Almost free. "Spirit of Radio" - Rush

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-----  
Date: Tue, 20 Jul 1993 19:12:05 GMT  
From: agate!howland.reston.ans.net!darwin.sura.net!news-feed-1.peachnet.edu!  
umn.edu!csus.edu!netcom.com!netcom!faunt@ames.arpa  
Subject: Info on Icom P2AT  
To: info-hams@ucsd.edu
```

As is usually the case, there are exceptions.
Our local Red Cross uses, legally, modified ham gear, because they're
on NASA and FEMA frequencies. I can, I'm told, use these same
frequencies, from home, on Red Cross business, using my modified ham
gear.
73, doug

```
-----  
Date: Mon, 19 Jul 1993 15:06:16 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!usc!  
news.isi.edu!gremlin!lava!domae@network.ucsd.edu  
Subject: KC0Q/N0II CMOS SuperKeyer II  
To: info-hams@ucsd.edu
```

I have a couple of questions regarding this Keyer (QST Nov 90).

First, I was interested in general opinions on this keyer.

Second, I understand there have been some ``Enhancements'' - Does anyone have any Ideas what these may be??

--

Terry Domae

Northrop Research Center		Phone/Fax: 310/544-5203 310/377-4271	
One Research Park		Internet: domae@nrtc.northrop.com	
Palos Verdes, CA, 90274-5471		Amateur Radio: KC6ROI	

Date: 20 Jul 93 15:53:40 -0500
From: envoy.wl.com!reeve.research.aa.wl.com!aa.wl.com!downsd@decwrl.dec.com
Subject: Mod for Yaesu FT-890
To: info-hams@ucsd.edu

Am looking for mod to open up TX on Yaesu FT890. Thanks in advance.

Date: Tue, 20 Jul 1993 21:06:55 GMT
From: agate!howland.reston.ans.net!ux1.cso.uiuc.edu!moe.ksu.ksu.edu!
osuunx.ucc.okstate.edu!datacomm.ucc.okstate.edu!martin@ames.arpa
Subject: Nomenclature for T0220 Socket
To: info-hams@ucsd.edu

What is the correct nomenclature for sockets that will properly hold a T0220-style transistor? I have seen some in a Heath Kit Weather station and would like to get a bunch of them for projects. It would be very good if one can get them in both PC-mount and point-to-point style.

Martin McCormick WB5AGZ Stillwater, OK
O.S.U. Computer Center Data Communications Group

Date: 20 Jul 93 22:30:06 GMT
From: news.service.uci.edu!ucivax!gateway@network.ucsd.edu
Subject: OMNI-D Series C
To: info-hams@ucsd.edu

Got an OMNI Series C today, and noticed, among all the great features, the AGC "pops" when a strong signal hits me. Anyone ever tackle this one? I don't yet have a copy of the manual, so I am not sure what the circuit is like, I suspect it is like the Triton IV, but don't yet

know for sure.

Real neat radio for its time. Very fine for CW, IF and audio filtering included, and very smooth QSK.

Clark
WA3JPG

Date: Tue, 20 Jul 93 17:46:50 GMT
From: overload.lbl.gov!agate!howland.reston.ans.net!darwin.sura.net!news-feed-1.peachnet.edu!umn.edu!csus.edu!netcom.com!netcomsv!orchard.la.locus.com!prodnet.la.locus.com!lando@dog.ee.lbl.gov
Subject: Professional quality earphones - source?
To: info-hams@ucsd.edu

In article <1993Jul20.040951.3953@bongo.tele.com> julian@bongo.tele.com (Julian Macassey) writes:

>In article <CAEy70.KLL@ms.uky.edu> hgpeach@ms.uky.edu (Harold Peach) writes:

>>I am looking for a source of professional quality earphones (i.e.,
>>skin colored, coiled wire, SMALL, etc. The only thing RS seems to
>>carry are these black jobs. They work fine, but are not very
>>inconspicuous.

>

> I have worn earphones professionally for years. I have never
>seen a skin coloured pair. Also I recommend big headphones. They sound
>better. The ones I use do not have coiled wire either. The wire is
>steel and copper for strength.

>

> My favourite brand is Sennheiser. The best open ones are the
>HD 430. The best closed ones are HD-222. Other brands used
>professionally are AKG (Philips) and Koss. You can buy these kind of

^^^^

>headsets in good high-fi stores and electronics stores and
>distributors that supply the broadcast industry.

I bought a pair of Koss headphones six years ago. They were light, comfortable when I tried them on at the store, and cost about \$70. I believe they are Pro 4/X, but I may be mistaken. After wearing them a short time, the inflated ear cushion on one side deflated. I ordered spare cushions from Koss, but also went shopping again. I ended up also buying the Sony MDR V/6 headphones, for about \$70. These actually cover your ear but are snug against your ear. The quality of construction appears to be light years ahead of the Koss, the sound quality is, IMHO, slightly superior to the Koss, and the coiled cord on the Sony headphones has not, in six years of regular use, kinked up like the shoddy coiled cord on the Koss did in six weeks.

Also, while the Koss seemed more comfortable at first, they wear on you quickly. The Sony headphones are comfortable for a much longer period.

In all fairness, the Koss 'phones sounded quite good, but the quality is awful. For the same money, the Sony headphones seemed to be far superior.

Another advantage to the Sony 'phones: the word 'Digital' was on an easily removable sticker, leaving the headphones black and void of the stupid reference to digital. The Koss headphones have the word molded on.

--

* Dana H. Myers KK6JQ | Views expressed here are *
* (310) 337-5136 | mine and do not necessarily *
* dana@locus.com DoD #466 | reflect those of my employer
*
* This Extra supports the abolition of the 13 and 20 WPM tests *

Date: 20 Jul 93 18:41:05 GMT
From: concert!duke!news.duke.edu!ee.ee.duke.edu!jbs@decwrl.dec.com
Subject: Radio Shack
To: info-hams@ucsd.edu

In article <CAH0Ir.1Hp@egr.uri.edu> swamik@orca.NoSubdomain.NoDomain (Swami Kumaresan) writes:

<I called the other day to ask if RS had a certain transistor. The salesdroid
<said "Yes, it can be found in our cross reference.."
<I said: "Could u please look up (whatever it was) for me..."
<salesdroid: "Oh, I, uh, I have a line of customer waiting...but
< u can look it up if u want..."
<I said: "I am sitting at home, abt 10 miles from ur store, hence
< I cannot look it up from here, maybe u missed that..."
<salesdroid: "Well, sir, like I said I have a bunch of customers..."
<I said: "Yeah...Right.." and Hung Up!!!
<
<Perhaps that was rude, but this is not the first instance a RS saledroif has
<been to lazy to help me over the phone.

Maybe he had a bunch of customers waiting?

-joe

--

You spend the night
Like you were spending a dime

- Lyle Lovett

Date: Tue, 20 Jul 1993 20:47:41 GMT
From: news.service.uci.edu!ttinews!calvin.tti.com!cole@network.ucsd.edu
Subject: Radio Shack
To: info-hams@ucsd.edu

In article <CAH0Ir.1Hp@egr.uri.edu> swamik@orca.NoSubdomain.NoDomain (Swami Kumaresan) writes:
>From: swamik@orca.NoSubdomain.NoDomain (Swami Kumaresan)
>Subject: Radio Shack
>Date: Tue, 20 Jul 1993 16:01:39 GMT
>I love reading the articles abt RipOff Shack!!
>
>I called the other day to ask if RS had a certain transistor. The salesdroid
>said "Yes, it can be found in our cross reference.."
>I said: "Could u please look up (whatever it was) for me..."
>salesdroid: "Oh, I, uh, I have a line of customer waiting...but
> u can look it up if u want..."
>I said: "I am sitting at home, abt 10 miles from ur store, hence
> I cannot look it up from here, maybe u missed that..."
>salesdroid: "Well, sir, like I said I have a bunch of customers..."
>I said: "Yeah...Right.." and Hung Up!!!

I presume you enjoy it when a salesperson keeps you waiting while he or she picks up the phone and talks to someone. I can tell you I don't. As far as I'm concerned the Radio Shack clerk did exactly the right thing and I would have thanked him for it if I'd been in line.

Randy Cole
KN6W

Date: 20 Jul 93 20:16:13 GMT
From: ogicse!uwm.edu!linac!mgweed!cbnewsk!cbnewsj!k2ph@network.ucsd.edu
Subject: Super Morse problem in Windows
To: info-hams@ucsd.edu

Date: 20 Jul 93 19:49:32 GMT
From: news-mail-gateway@ucsd.edu

To: info-hams@ucsd.edu

References Faunt, N6TQS, 510-655-8604)p

Subject : TS50

Is the "S meter" in the TS50 driven by the u-processor? If so, then it would be possible, if there's enough gain consistency in the manufacturing run, to have an accurate meter. Of course, the process of setting this up would be expensive.

73, doug

Date: Tue, 20 Jul 1993 17:57:03 GMT
From: well!moon!pixar!mongo!bruce@uunet.uu.net
To: info-hams@ucsd.edu

References <1993Jul13.165106.1248@kocrsv01.delcoelect.com>,
<VBREAUULT.93Jul16102843@rinhp750.gmr.com>,
<1993Jul16.160252.27595@rsg1.er.usgs.gov>
Subject : Too honest to be a sales person (was America's Technology Store)

In article <1993Jul16.160252.27595@rsg1.er.usgs.gov>, bodoh@dgg.cr.usgs.gov (Tom Bodoh) writes:

|> Honesty can be a problem for salespersons. When I was in high school, I
|> worked at K-mart selling stereos/etc. One day, a guy came in and said that
|> he really loved his daughter who was graduating from college and he wanted
|> to buy her a really good stereo. After looking to be sure that my boss
|> wasn't around, I told him that we only sold crummy stereos and that he would
|> be much better off going to a local electronics store specializing in
|> stereos. He was appreciative and I felt like I did the right thing. I never
|> could lie to customers who asked about the quality of the product. Of course
|> I was getting minimal wage and no comission. Now I see that they mostly sell
|> name-brand stuff...

The thread that wouldn't die :-)

I had this problem too, and it's one of the reasons I think stores like Radio Shack might not _want_ someone with technical experience. For a while after being rejected by Radio Shack, I was manager of various different electronics departments in the Times Square Stores chain on Long Island. The departments were a concession operated by a local retail electronics distributor.

We mostly sold OK equipment, but we would on occasion buy re-packs and sell them as new merchandise. It seemed these re-packs were mostly defective returned merchandise that had been repaired or at least inspected, and repackaged for sale. About half of them would be returned, defective again. We'd

inspect them, and the units that passed inspection were sold again as new merchandise. I figure we unloaded a whole lot of broken equipment to people who were too lazy to return the items or gave them as gifts.

Of course I'd try to steer people away from this merchandise, but they'd often get angry at me because they thought I was simply trying to sell them up to something more expensive. Sometimes, I'd tell people that another unit was much better, and they'd say "That's OK, it's only a gift".

Back then, we sold 300 Ohm TV flat-line with the various stand-offs, plastic tacks, etc. I had a hard time convincing people that the stand-offs, etc. were necessary and that it was not OK to tape the flat-line to the mast or to staple it to baseboards with the staple straddling the flat-line.

A lot of customers were absolutely sure I was lying to them.

More than once a customer told me that no honest person would claim that radio waves would go through the insulation on the flat-line, and that I was a shameless shyster out to get the commission on those standoffs. I never worked for a commission. The chain went out of business some years ago.

I finally came to the conclusion that there were some customers I could never help, no matter how good my intentions - and those customers might just be in the majority. Radio Shack is designed to serve just those people.

Bruce Perens KD6OTD - now happily employed at Pixar.

Date: 20 Jul 93 18:56:33 GMT

From: agate!howland.reston.ans.net!darwin.sura.net!news-feed-1.peachnet.edu!
concert!duke!news.duke.edu!ee.ee.duke.edu!jbs@ames.arpa
To: info-hams@ucsd.edu

References <1993Jul20.034101.187@porthos.cc.bellcore.com>, <17921@news.duke.edu>,
<1993Jul20.161019.6673@porthos.cc.bellcore.com>du
Subject : Re: Type Acceptance impacts all NEW equipment, was Re: TS50 Illegal!

In article <1993Jul20.161019.6673@porthos.cc.bellcore.com>
whs70@dancer.cc.bellcore.com (sohl,william h) writes:

>{Joe:}

>>I don't think the certification that equipment is in compliance with the
>>regulations concerning spectral purity is the same thing as "type acceptance."
>>In my reading of the rules (a fairly recent copy, though not a 1993 copy) I
>>didn't see anything at all indicating that any gear other than external
>>RF amps operating under 144MHz had to be type accepted to be marketed
>>commercially.

<The FCC does "type acceptance" on all electronic equipment relative to

<certain criteria. All commercial radio receivers, TVs, scanners,
<VCRs, computers, etc have to meet various "type acceptance" criteria
<relative to emissions, etc. Look on, under or somewhere on almost
<any piece of new electronic equipment and you'll find a reference
<to the specific type acceptance criteria to which that equipment has
<been validated/type accepted.

<

<For example, my desk telephone has a sticker indicating the phone
<complies with part 40 of the FCC rules. My video monitor "complies with
<Part 15 of FCC rules."

As I said above, I don't think "certified in compliance" == "type acceptance".
I think "type acceptance" is a very specific term; for instance, modifying
the innards of a CB radio voids the type acceptance and makes further
operation in the CB allocation illegal, even if the mod does not result in
otherwise illegal operation. The same goes for GMRS and commercial band
radios. There's no such restriction on user modifications to ham radios;
I think there is no "type acceptance" to void.

-joe

--

You spend the night
Like you were spending a dime
- Lyle Lovett

Date: 20 Jul 93 20:01:54 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
darwin.sura.net!sgiblab!bridge2!zen.DEV.3Com.COM!joer@network.ucsd.edu
To: info-hams@ucsd.edu

References <1993Jul12.200632.23803@pixar.com>, <2347@indep1.UUCP>,
<2C42DE36.13000@ics.uci.edu>in.s

Subject : Re: Communities that unduly restrict Amateur Radio operations

turner@safety.ics.uci.edu (Clark Savage Turner) writes:

(previous comments deleted for space . . .)

>2. Do you believe the PUBLIC sees hams as a national resource? This is,
>perhaps, even more important than our actual value....in that this country
>seems to be working towards political power for organized groups who seem
>to go for whatever they can get from government. What happens when some
>groups really get the idea that they want/need the HF, VHF and UHF
>spectrum from us? Are there good, convincing, believable arguments to
>keep us around?

>Again, I am not suggesting we are not a national resource, as I think we
>are (rather limited though). I am just curious about perceptions of the
>general citizen, and how we affect them in our everyday ham behavior
>and our publicity. How much effort are we willing to expend to get
>things moving, and keep things reasonable?

Clark, I can think of one good, convincing, believable argument for keeping Amateur Radio. IMHO, my use of an extremely small part of the total RF usable spectrum is every bit as important as the next person's cellular call, TV viewing, baby monitor, etc. We hams pay taxes, generally do our "civic duty", and are just as much citizens as the next person. Why should we be denied use of a spectrum that is supposed to be for the use of all? That's like saying that all computers should be for business use -- no games, no fun, no Internet.

I think one of the first things Amateur Radio needs to do is stop justifying its existence. It has as much right to be here as any other service (IMHO). The fact that it doesn't turn a profit can not be allowed to destroy it.

<CLICK> (sound of Joe going off soapbox mode)

73, Joe KC6TXU

--

Joe L. Reda, KC6TXU | jlr@netcom.com | Campbell, CA | all opinions are mine
"Full separation of church & state . . not just a good idea, IT'S THE LAW!"

Date: (null)

From: (null)

Yep, version 4.04 can be found in the hamradio section of your favorite SIMTEL20 computer. :-)

--

Bob Schreibmaier K2PH | UUCP: ...!att!mtdcr!bob
AT&T Bell Laboratories | Internet: bob@mtdcr.att.com
Middletown, N.J. 07748 | ICBM: 40o21'N, 74o8'W

End of Info-Hams Digest V93 #881
